

## Claims

1. A method of negative acknowledgment (NAK) suppression, the method comprising the steps of:

- 5       determining that a NAK needs to be transmitted;  
          determining if data or other channel information currently needs to be transmitted over a channel; and  
          transmitting the NAK if data and other channel information does not need to be transmitted over the channel, otherwise buffering the NAK.

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2. The method of claim 1 further comprising the steps of:

- determining if a predetermined number of NAKs have been buffered; and  
          transmitting the NAKs if the predetermined number of NAKs have been buffered, otherwise buffering the NAK.

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3. The method of claim 2 wherein the step of transmitting the NAKs if the predetermined number of NAKs have been buffered comprises the step of transmitting the NAKs if the number of NAKs is equal to an amount of NAKs required to fill an over-the-air frame.

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4. A method comprising the steps of:
  - determining that a NAK needs to be transmitted over a channel;
  - determining a number of NAKs currently buffered; and
  - 5 transmitting the NAKs currently buffered along with the NAK if the predetermined number of NAKs have been buffered, otherwise buffering the NAK.
- 10 5. The method of claim 4 further comprising the steps of:
  - determining if data or other channel information currently needs to be transmitted over the channel; and
  - transmitting the NAK if data and other channel information does not need to be transmitted over the channel, otherwise buffering the NAK.
- 15 6. The method of claim 4 wherein the step of transmitting the NAKs if the predetermined number of NAKs have been buffered comprises the step of transmitting the NAKs if the number of NAKs is equal to an amount of NAKs required to fill an over-the-air frame.

7. An apparatus comprising:  
a buffer storing NAKs; and  
logic circuitry coupled to the buffer, the logic circuitry having a  
5 transmission status of a transmitter as an input and outputting instructions for a  
NAK generator to generate NAKs based on the transmission status of  
the transmitter.
8. The apparatus of claim 7 wherein the transmission status of the transmitter  
10 comprises information on whether or not data or other channel information is  
currently awaiting transmission.
9. The apparatus of claim 7 wherein the logic circuitry additionally outputs  
instructions for the NAK generator to generate NAKs based on a number of  
15 NAKs stored in the buffer.